

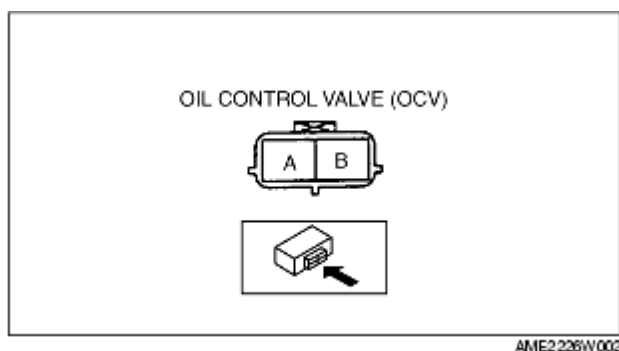
OIL CONTROL VALVE (OCV) INSPECTION

B3E011014420201

L3 (with variable valve timing mechanism)

Coil resistance inspection

1. Disconnect the negative battery cable.
2. Disconnect the oil control valve (OCV) connector.
3. Measure the resistance between terminals A and B using an ohmmeter.
 - If not as specified, replace the oil control valve (OCV).



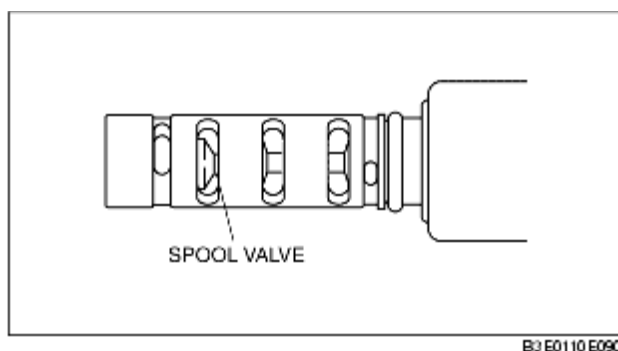
Specification

6.9-7.9 ohms [20 °C {68 °C}]

4. Connect the oil control valve (OCV) connector.

Spool valve operation inspection

1. Disconnect the negative battery cable.
2. Remove the oil control valve (OCV).
3. Verify that the spool valve in the oil control valve (OCV) is in the maximum valve timing retard position as indicated in the figure.
 - If it exceeds the specification, replace the oil control valve (OCV).



4. Verify that the battery is fully charged.

- If it is less than specification, recharge the battery.

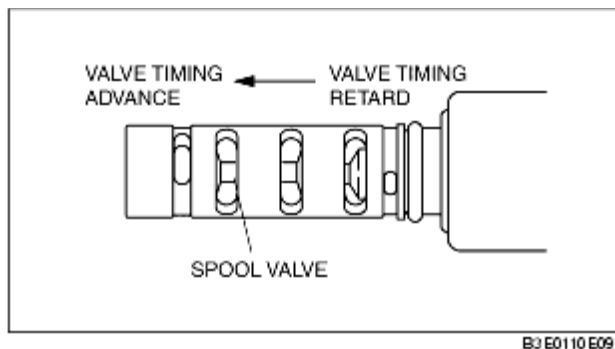
5. Apply battery positive voltage between the oil control valve (OCV) terminals and verify that the spool valve operates and moves to the maximum valve timing advance position.

- If it exceeds the specification, replace the oil control valve (OCV).

Note

• When applying battery positive voltage between the oil control valve (OCV) terminals, the connection can be either of the following:

- Positive battery cable to terminal A, negative battery cable to terminal B
- Positive battery cable to terminal B, negative battery cable to terminal A



6. Stop applying battery positive voltage and verify that the spool valve returns to the maximum valve timing retard position.

- If it exceed the specification, replace the oil control valve (OCV).